

DIMENSIONARE INSTALATIE ÎNCĂLZIRE PARTER

Nr.crt.	Q[W]		L[m]	W[m/s]	R[Pa/m]	RxL[Pa]	Z[Pa]	(RxL+z)[Pa]	(RxL+z)[Pa]	(Q)[kg/h]
1	5302	Cu 18 mm	6.00	0.32	90.00	540.00	135.00	675.00	675.00	227.986
2	6417	Cu 18 mm	6.00	0.39	125.00	750.00	187.50	937.50	1,612.50	275.931
3	11719	Cu 22 mm	0.50	0.39	125.00	62.50	15.63	78.13	1,690.63	503.917
4	20555	Cu 28 mm	13.00	0.50	115.00	1,495.00	373.75	1,868.75	3,559.38	883.865
5	25857	Cu 35 mm	16.00	0.40	55.00	880.00	220.00	1,100.00	4,659.38	1111.851
6	36461	Cu 35 mm	19.00	0.54	100.00	1,900.00	475.00	2,375.00	7,034.38	1567.823
7	47065	Cu 42 mm	9.00	0.49	62.00	558.00	139.50	697.50	7,731.88	2023.795
8	73575	Cu 54 mm	8.00	0.46	42.00	336.00	84.00	420.00	8,151.88	3163.725

Hg 4,700.00

Totala pierderi de presiune circuit 12,851.88 1,310.53 mm H₂O

DIMENSIONARE INSTALATIE ÎNCĂLZIRE ETAJ

Nr.crt.	Q[W]		L[m]	W[m/s]	R[Pa/m]	RxL[Pa]	Z[Pa]	(RxL+z)[Pa]	(RxL+z)[Pa]	(Q)[kg/h]
1	3093	Cu 15 mm	2.50	0.28	92.00	230.00	57.50	287.50	287.50	132.999
2	5302	Cu 18 mm	22.00	0.32	90.00	1,980.00	495.00	2,475.00	2,762.50	227.986
3	11488	Cu 22 mm	16.00	0.45	122.00	1,952.00	488.00	2,440.00	5,202.50	493.984
4	18556	Cu 28 mm	17.00	0.46	98.00	1,666.00	416.50	2,082.50	7,285.00	797.908
5	25183	Cu 35 mm	19.00	0.38	54.00	1,026.00	256.50	1,282.50	8,567.50	1082.869
6	46832	Cu 42 mm	15.00	0.48	61.00	915.00	228.75	1,143.75	9,711.25	2013.776
7	81736	Cu 54 mm	6.00	0.51	50.00	300.00	75.00	375.00	10,086.25	3514.648

Hg 5,500.00

Totala pierderi de presiune circuit 15,586.25 1,589.36 mm H₂O

INTOCMIT:
ing. TOMȘA Gh.